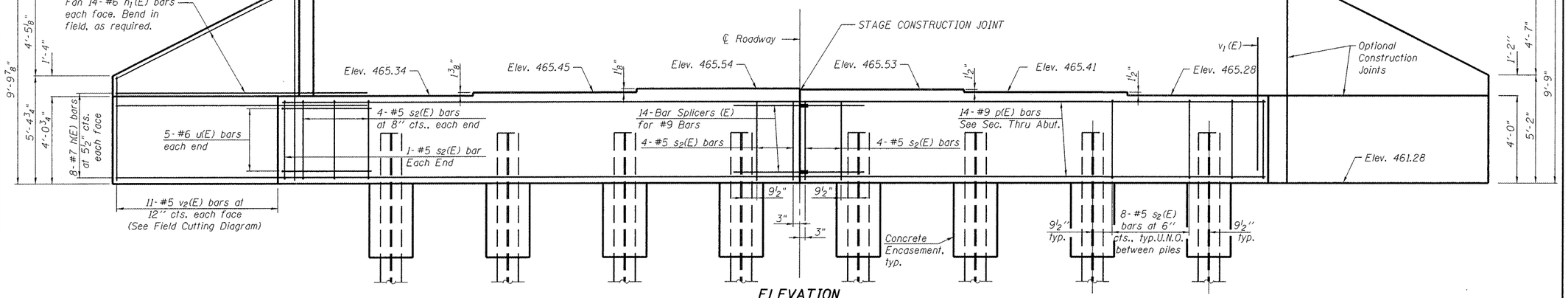
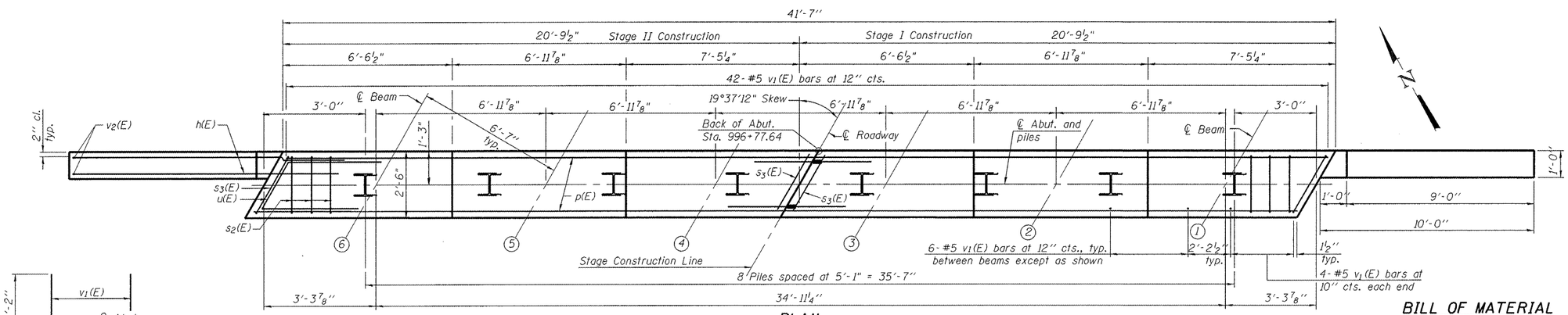
Notes:
Pour steps monolithically with cap.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

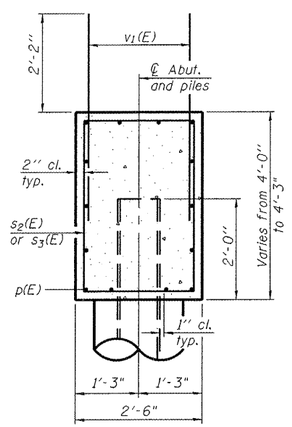


ELEVATION

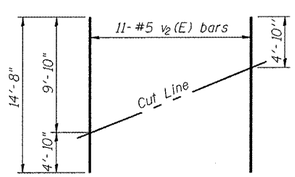


PLAN

Note:
The Contractor is advised that a portion of the existing footing may interfere with the driving of the piles.

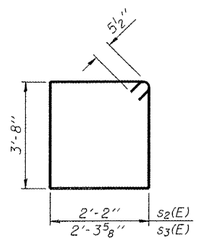


SEC. THRU ABUT.

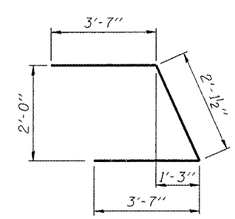


FIELD CUTTING DIAGRAM

Order v_2(E) full length. Cut as shown and use remainder of bars in opposite face.



BAR s_2(E) & s_3(E)



BAR u(E)

PILE DATA

Type:	HP 12 x 63
Nominal Required Bearing:	497 kips
Factored Resistance Available:	258 kips
Est. Length:	55 ft.
No. Production Piles:	7
No. Test Piles:	1

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	32	#7	14'-4"	
h_1(E)	56	#6	14'-4"	
p(E)	28	#9	20'-5"	
s_2(E)	66	#5	12'-7"	
s_3(E)	4	#5	12'-11"	
u(E)	10	#6	9'-4"	
v_1(E)	80	#5	4'-4"	
v_2(E)	22	#5	14'-8"	
Structure Excavation			Cu. Yd.	62
Concrete Structures			Cu. Yd.	24
Concrete Encasement			Cu. Yd.	2.80
Reinforcement Bars, Epoxy Coated			Pound	6013
Furnishing Steel Piles, HP 12x63			Foot	385
Driving Piles			Foot	385
Test Pile, HP12x63			Each	1

The VOLKERT/DMA Joint Venture

USER NAME =	DESIGNED - JR	REVISED -	
	CHECKED - JEK	REVISED -	
PLOT SCALE =	DRAWN - WJG	REVISED -	
PLOT DATE =	CHECKED - JEK	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTH ABUTMENT
STRUCTURE NO. 009-0512

SHEET NO. 16 OF 20 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	144(B-5)	CASS	97	69

CONTRACT NO. 72B55

ILLINOIS FED. AID PROJECT